

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

1-55. (canceled)

56. (New) A method for transmitting program or operating information which is stored centrally in a communications network through at least one feeder system to a plurality of decentralized communication systems which are wirelessly connectable to the feeder system, comprising:

transmitting the program or operating information to the feeder system from a central network management unit situated centrally in the communication network;

inserting the program or operating information, which is transmitted to the feeder system, into broadcast transmission messages;

conveying the broadcast transmission messages through at least one broadcast channel to the decentralized communication systems; and

adapting the program or operating information in the communication network or in the feeder system to the technical transfer properties of the at least one broadcast channel;

wherein said program data comprises at least one control program for a software update; and

wherein said at least one control program is initialized after storage in the particular decentralized communication system, the initialization being controlled by the network management unit for each decentralized communication system.

57. (New) The method according to claim 56, comprising further conveying the program or operating information temporarily stored in the feeder system to the decentralized communication systems under the control of the network management unit.

58. (New) The method according to claim 56, comprising further storing the program or operating information conveyed to the decentralized communication systems in the decentralized communication systems.

59. (New) The method according to claim 56, comprising further conveying an information which indicates the initialization of the control program by the decentralized communication systems to the network management unit.

60. (New) The method according to claim 56, comprising further storing temporarily the program or operating information in at least one feeder network access system or in at least one feeder network system arranged in the feeder system, the feeder network system and the feeder network access system being connected together by at least one traffic channel and at least one signalization channel.

61. (New) The method according to claim 60, comprising further conveying the program or operating information through the at least one traffic channel from the feeder network access system to the at least one feeder network system.

62. (New) The method according to claim 60, comprising further joining the at least one feeder network system and the decentralized communication systems together wirelessly by a transfer means, being able to be connected by the transmission medium by the use of at least one traffic channel and at least one signal sending or broadcast channel.

63. (New) The method according to claim 62, comprising further conveying the program or operating information temporarily stored in the feeder network system via the wireless transfer means, always in the framework of a point-to-point or a point-to-multipoint connection, or by means of broadcast information transmitted via the broadcast channel of the wireless transfer means, to the decentralized, wireless communication systems.

64. (New) The method according to claim 63, comprising further controlling the construction of the point-to-point connections or of the at least one point-to-multipoint connection for communicating the program or operating information by the network managing unit.

65. (New) The method according to claim 62, wherein the wireless transfer means is selected from the group consisting of:

Time Division Multiplexing,
Time Division Multiple Access,

Frequency Division Multiple Access,
Code Division Multiple Access,
Orthogonal Frequency Division Multiplexing, and
a combination thereof.

66. (New) The method according to claim 62, comprising further the at least one feeder network system and the decentralized communication systems are connected together via a transfer means selected from the group consisting of:

international DECT Standard ETS 300 175,
GSM Standard,
UMTS Standard, and
B-CDMA transfer method.

67. (New) The method according to claim 60, comprising further connecting the feeder network access system to a superordinated communication network (ISDN).

68. (New) The method according to claim 56, comprising further conveying the program or operating information in segmented or in packet form to the decentralized communication systems.

69. (New) The method according to claim 56, comprising further conveying the program or operating information in compressed form to the decentralized communication systems.

70. (New) The method according to claim 56, comprising further conveying the temporarily stored program or operating information through point-to-point connections or through at least one point-to-multipoint connection to the decentralized communication systems.

71. (New) The method according to claim 70, comprising further conveying the program or operating information through one or more parallel traffic channels in the point-to-point connection or in the point-to-multipoint connection.

72. (New) A communication system having a central network managing unit in which a memory is arranged with program or operating information stored therein, comprising:

a feeder system connected to the network managing unit;

transfer means arranged in the central network managing unit to convey the stored program or operating information to the feeder system;

a plurality of decentralized communication systems which can be wirelessly connected to the feeder system,

memories arranged in each of the decentralized communication systems for storing the program or operating information; and

an insertion and transmission unit provided in the feeder system to insert the program or operating information into broadcast transmission messages and transmit the broadcast transmission messages to the decentralized communications devices via at least one broadcast transmission channel;

wherein the transfer means arranged in the central network managing unit are configured such that the program or operating information are adapted to the technical properties of the at least one broadcast channel; and

wherein the program information comprises a control program for a software update, which is initialized after storage in the particular decentralized communication system, the initialization being controlled by the network managing unit for each decentralized communication system.

73. (New) The communication system according to claim 72, comprising further an interim memory provided in the feeder system for the interim storage of the program or operating information conveyed to the feeder system;

wherein the program or operating information are transferred as interim-stored program or operating information to the decentralized communication devices.

74. (New) The communication system according to claim 72, wherein the transfer means arranged in the feeder system are configured such that the interim-stored program or operating information are transferred to the decentralized communication devices in the framework of point-to-point connections, or in the framework of at least one point-to-multipoint connection, or by means of broadcast transmission messages which are conveyed via at least one broadcast channel to the decentralized communication devices.

75 (New) The communication system according to claim 72, wherein the feeder system comprises at least one feeder network access system and at least one feeder network

system connected together via at least one traffic channel and at least one signaling channel.

76. (New) A method for downloading a control program for a software update which is stored centrally in a communications network through at least one feeder system to a plurality of decentralized communication systems which are wirelessly connectable to the feeder system, comprising:

- transmitting the control program to the feeder system from a central network management unit situated centrally in the communication network;

- inserting the control program into broadcast transmission messages;

- conveying the broadcast transmission messages through at least one broadcast channel to the decentralized communication systems; and

- adapting the control program in the communication network or in the feeder system to the technical transfer properties of the at least one broadcast channel.